1. Public Education and Outreach Program March 2004 to March 2005

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Website	IDOT will create an environmental link on it's website to include storm water.	X			X		
IDOT Storm water Brochure	IDOT created a Storm Water Brochure to educate the public about storm water impacts and what the public can do to help. The brochures are available at all IDOT facilities. Ten thousand brochures were produced and distributed at all highway district offices.	X			X		
IDOT Storm Water and Erosion Control Classes	IDOT continues to train IDOT staff and the contracting industry regarding storm water erosion control practices.	X			X		
IDOT Adopt-A-Highway Program	IDOT continues to work with numerous communities and groups in picking up litter through the Adopt-A-Highway Program.	X			X		

A. BMPs

I. General Summary

Storm water pollution reduction can be achieved through education of the public. A change in the public's awareness and the role they play in reducing storm water pollution is one key to success of the IDOT program. Educating highway contractors through an IDOT outreach and training program is another important aspect to IDOT's success. Opportunities for partnering with community groups for adopt-a-highway will continue to be explored. A storm water website, revised educational material, and the IDOT brochure will continue to evolve throughout the permit term.

II. Status of Goals

The Department is attempting to meet the overall goal of reducing pollutants of concern like litter and sediment from construction sites by implementing the adopt-a-highway program and construction operator training. The second year goals of increasing efforts to pick up tons of litter , getting more contractors trained, and ensuring the public has access to the IDOT brochure are still being evaluated.

2. Public Involvement Program March 2004 to March 2005

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Adopt-A-Highway Program	IDOT will continue involving the public in the Adopt-A-Highway program to encourage hands on involvement by community groups in reducing the significant pollutant of concern.	X			X		
Storm Water discussions in Environmental documents.	IDOT is required to involve the public in the planning and implementation of transportation improvements. IDOT will add a discussion of storm water impacts and measures to minimize those impacts in all environmental documents prepared for transportation improvements. IDOT's public involvement process is in compliance with Federal requirements for transportation improvements	X			X		
IDOT education materials at public meetings	IDOT will have the IDOT Storm Water Brochure titled, " Storm Water Runoff Pollution available at all public hearings and at interstate rest areas.	X				X	

A. BMPs

I. General Summary

IDOT's Public Involvement Minimum Control Measure allows the public opportunity to get involved in IDOT's storm water program. Public involvement meetings and hearings give the public an opportunity to voice concerns about a projects environmental impacts which include storm water.

II. Status of Goals

Most of the second year goals were achieved. The Adopt-A-Highway program proved successful in removing trash. The bmp of distributing the brochure at public meetings for transportation improvements was not met statewide. Some highway districts did not have them available at public involvement meetings.

III. Appropriateness

All of the bmps selected are appropriate for a highway department such as IDOT. By the fourth year of the permit the department may able to develop a better approach to involving the public in it's storm water program.

IV. Effectiveness

The Adopt-A-Highway program has resulted in substantial amounts of trash, tires, and debris being removed from areas that could have produced storm water pollution. The effectiveness of including a storm water discussion at public involvement meetings for transportation improvements requires further evaluation.

V. Proposed Modifications

Attempt to identify other measures and bmps to involve the public in IDOT's Storm Water Program

B. Results of Information Collected and Analyzed.

See adopt-a-highway discussion under the Public Education Measures. There are approximately 900 organizations involved in the adopt-a-highway program

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

Address the availability of storm water materials at public involvement meetings.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Adopt-A-Highway Program	The amount of litter and debris removed.		x	Yes	Yes
Storm Water discussions in environmental documents.	Number of discussions in environmental documents		x	Yes	Yes
IDOT Storm Water Education Materials	Amount of materials handed out at meetings.		x	No	Yes

3. Illicit Discharge and Detection Program March 2004 to March 2005

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Storm Sewer Maintenance Program	IDOT maintenance forces are responsible for detecting storm sewer failures, needed repairs, and illicit discharges along the highway system. This is accomplished through IDOT maintenance forces who, as part of their duties, inspect storm water systems for failures, repairs, and illicit discharges.	X			X		
IDOT Environmental Operational Reviews	The IDOT Environmental Operational Reviews will be conducted eventually at all IDOT facilities. The purpose of these reviews is to identify any pollutants of concern and the storage of materials which may result in an illicit discharge from IDOT maintenance facilities.	X			X		
IDOT Storm Water Pollution Prevention Plans	IDOT requires the preparation of SWPPPs for all transportation improvements disturbing 1 acre or more of soil and requires implementation of the SWPPP to reduce any potential illicit discharges from occurring.	X			X		
IDOT Erosion Control Deficiency Deduction	IDOT includes an erosion control deficiency deduction in all highway contracts. This deduction serves as a sanction against any contractor who causes an illicit discharge.	X			X		
IDOT Storm Water Outfall Map	IDOT provided a preliminary outfall map on computer disc for review by IEPA.					X	
IDOT Funding for the Illicit Discharge Program	There is no dedicated funding for the illicit discharge program. Any monies spent on cleaning storm sewers of pollutants comes out of the general highway operations budget.			X			
Hazardous Material Spills Procedures	IDOT developed procedures for hazardous waste spills. The procedures provide requirements for response contacts and cleanup efforts.	X			X		
IDOT/Department of Corrections Litter Program	IDOT has a joint venture with the Illinois Department of Corrections to remove trash and debris from the highway environment.	X		X			

A. BMPs

I. General Summary

The Illicit Discharge and Elimination measures have activities that have been in place prior to the start of the ILR40 MS4 Permit term. Hazardous materials spills and other spills along the highway system have been responded to, cleaned up and responsible parties identified. IDOT will continue efforts on the environmental operational reviews and identify efforts to refine the storm drain system outfall map with input from IEPA. The $2 million originally programmed to assist in this effort is not in the IDOT budget.

II. Status of Goals

The goals for the erosion control deficiency deduction, placement of SWPPPs in contracts, hazardous materials spill procedure, IDOT/Corrections litter program and environmental operational reviews have been met. The other bmps need further development. IDOT tracks the annual dollars spent on cleaning the storm system.

III. Appropriateness

All the bmps selected are appropriate for a highway department such as IDOT.

IV. Effectiveness

The use of the erosion control deficiency deduction as an enforcement tool will help reduce potential for illicit discharge to occur off construction sites. Continuing monitoring of the highway storm system by department maintenance forces will also help reduce any illicit discharges. Illicit discharge measures will also coordinate with aspects of the Public Education and Outreach element to educate the public on proper waste disposal and elimination of illicit discharges

V. Proposed Modifications

Modifications are needed to the storm water outfall map, the storm sewer maintenance program and funding for the Illicit discharge program.

B. Results of Information Collected and Analyzed.

IDOT conducted 64 Environmental Operational Reviews for Maintenance Facilities. In Fiscal year 2004 IDOT spent $6.8 million on storm system activities such as sewer, culvert and inlet cleaning. IDOT forces spent $3.3 Million removing trash and litter from the highways that could have found their way into the storm system.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

Need to review IDOT procedures for storm system maintenance; provide training to IDOT staff; and determine if there is any funding that could be dedicated for an Illicit Discharge Program.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Storm Sewer Maintenance Program	Amount of dollars spent on trash removed from the system on an annual basis		x	Yes	Yes
IDOT Environmental Operational Reviews	The number of operational reviews conducted annually		x	Yes	Yes
IDOT SWPPPs	The number of SWPPPS prepared.		x	Yes	Yes
IDOT Funding for Illicit Discharge program	The dollar amount spent annually to clean the highway storm system.	x		Yes	Yes
IDOT Hazardous Materials Procedures	Distribution of Procedures to all Highway District Offices	x		Yes	Yes
IDOT Storm Water Outfall Map	Refine outfall map		x	No	Yes
IDOT/IDOC litter Program	Annual dollars spent on this program.		x	Yes	Yes
IDOT Erosion Control Deficiency Deduction	Placed in all contracts.		x	Yes	Yes

4. Storm Water Erosion Control Program March 2004 to March 2005

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Erosion Control Inspectors Checklist	The purpose of this bmp is to assist the IDOT inspectors with installing storm water erosion control bmps.	X			X		
IDOT Storm Water Pollution Prevention Plan Form.	All transportation improvements that result in the disturbance of 1 acre or more are required to have a SWPPP/Erosion Control Plan included in all contracts.	X			X		
IDOT Standards and Specifications for Temporary and Permanent Erosion Control Practices.	IDOT has developed a number of specifications for erosion control bmps. The IDOT specifications are equivalent to the practices found in the Illinois Urban Manual.	X			X		
Erosion Control Training for IDOT Staff and the Highway Construction Industry	IDOT conducts storm water erosion control training for IDOT planners, designers, construction and maintenance staff. IDOT also works with the contracting industry in various training ventures.	X			X		
IDOT/Illinois Road and Transportation Builders Association Working Group	The working group was organized to identify strategies to better implement the requirements of the ILR10 and ILR40 permits.	X			X		
IDOT Erosion Control Deficiency Deduction	The purpose of the deficiency deduction is to provide a sanction mechanism for contract erosion control deficiencies.	X			X		
IDOT Erosion Control Pre-construction Meeting Forms	IDOT has developed a form that is used to organize the installation of erosion control practices for highway improvements. This form is used by the resident engineers and contractors to ensure understanding of the implementation of the plan.	X			X		
IDOT Procedures for Receipt and Consideration of Information Submitted by the Public.	IDOT has established procedures for obtaining public input for a construction project. The public input occurs during the public involvement phase of a project.	X			X		

A. BMPs

I. General Summary

The second year of the Construction Site Storm Water Control Measure continued the contractor and IDOT staff education efforts to stress the importance of reducing storm water impacts through the use of sound construction erosion control bmps. All construction plans continue to include erosion control plans and the department is striving to add and/or improve bmps for erosion control.

II. Status of Goals

Goals have been met

III. Appropriateness

All the bmps selected are appropriate for implementation by the Department.

IV. Effectiveness

The bmps should be very effective in reducing storm water pollution.

V. Proposed Modifications

None for this year.

B. Results of Information Collected and Analyzed.

The Department spent $4.8 million on temporary erosion control practices and $13.3 Million on permanent practices in this reporting period. Temporary practices included perimeter barriers, ditch checks, inlet protections and temporary seeding. Permanent practices included seeding, salt tolerant sod, erosion control blankets, various types of mulch, and aggregate ditches. IDOT conducted three erosion control training sessions and trained 195 individuals.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

IDOT intends to add permanent turf reinforcement mats to its list of erosion control bmps.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
Inspector's checklist.	Number of checklists available to construction staff		x	Yes	Yes
IDOT SWPPP Form	Included in all contracts.		x	Yes	Yes
IDOT Erosion Control Standards	Included in all contracts		x	Yes	Yes
IDOT Erosion Control Training	Number of classes and number of individuals trained		x	Yes	Yes
IDOT/Road Builders Working Group	Number of meetings held to address issues.		x	Yes	Yes
IDOT Erosion Control Deficiency Deduction	Include in all contracts		x	Yes	Yes
IDOT Erosion Control Pre-Construction Meeting Form	Number of form used for all preconstruction meetings.		x	Yes	Yes
IDOT procedures for Public Input.	Number of Public Meetings		x	Yes	Yes

5. Post Construction Monitoring Program March 2004 to March 2005

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
IDOT Procedures for Maintenance of Post-Construction Storm Water Controls	IDOT's Post Construction Storm Water Management of IDOT's projects is accomplished by maintaining permanent storm water controls. IDOT will need to develop procedures and bmps			X		X	
Identify the type of post construction monitoring that is performed by IDOT forces	The Department has a Maintenance Management (MMIS) Data base that can track the post construction monitoring and maintenance of permanent post-construction storm water controls.	X					
Vegetation practices such as the use of salt tolerant sod, tree seedling planting program and IDOT tree replacement policy.	IDOT utilizes a number of roadside vegetation programs to help facilitate the intent of the post construction program. In areas adjacent to roadways where concentrations of salt may occur, a salt tolerant sod or grass seed is planted. IDOT has also had a cooperative tree seedling and prairie grass planting program for roadsides in cooperation with the Department of Natural Resources. In addition for 16 years IDOT has implemented a tree replacement policy that replaces trees removed as a result of construction activity.	X			X		

A. BMPs

I. General Summary

The monitoring of post –construction storm water bmps is performed for the most part by IDOT maintenance forces. IDOT will need to develop procedures to identify the specific types of post-construction practices to be monitored and identify further bmps.

II. Status of Goals

The goal of utilizing salt tolerant turfs, seedling planting and reforestation have been met. The MMIS data base can be used to determine types of maintenance activities and dollar spent on the storm system. No formal procedures have been developed for post construction monitoring.

III. Appropriateness

All the bmps selected are appropriate for a highway department such as IDOT.

IV. Effectiveness

The vegetation management programs have been effective in reducing runoff, erosion, and pollutants of concern.

V. Proposed Modifications

Evaluate the MMIS system and determine if modifications can be made to identify all post construction monitoring activities and bmps.

B. Results of Information Collected and Analyzed.

For this reporting period IDOT planted 100,000 tree seedlings,200,000 shrub seedlings, 1.3 million prairie plants, and over 500 pounds of native grass and wildflower seed. In addition IDOT planted approximately $1.8 million of salt tolerant seed and sod along the roadsides. IDOT spent $6.8 million for post construction monitoring and maintenance activities for the storm system.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

Identify procedures and bmps for post –construction monitoring.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Post – Construction Procedures	Develop a procedure memorandum for post –construction monitoring.		x	No	No
Use the MMIS system to track post-construction monitoring.	Annual dollars spent on post-construction monitoring and maintenance.		x	Yes	Yes
Vegetation practices	The annual numbers of plantings for the three programs		x	Yes	Yes

6. Pollution Prevention / Good Housekeeping Program March 2004 to March 2005

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
Environmental Operational Reviews for IDOT Facilities.	The IDOT Environmental Operational Reviews are targeted toward ensuring compliance with the Good Housekeeping Measures required in the ILR 40 MS4 permit. These reviews identify potential areas of concern such as disposal of waste, storm sewer impacts, storage of materials, and vehicle maintenance.	X			X		
Covered Salt Storage Areas	All IDOT facilities which store salt for winter storms utilize domes over storage areas.	X			X		
IDOT Training	IDOT requires training and certification for all employees engaged in the handling and application of pesticides	X			X		
Hazardous Materials Contract	IDOT has a contract with a certified hazardous materials contractor to pick up hazardous materials at IDOT facilities.	X			X		
Inlet filters	IDOT has employed the use of inlet filters at a number of maintenance facilities to trap fines and oils that might be discharged through the storm drain systems.	X			X		
Removal of Debris and Sediment from Storm Water Conveyance System.	IDOT removes debris and sediment from the highway storm system through maintenances forces and through mechanical sweeping.	X			X		

A. BMPs

1. General Summary

The environmental operational reviews are the key component to the success of the IDOT Pollution Prevention Good Housekeeping Program. Identifying pollutants of concern and then developing an overall plan for IDOT facilities is important to the program's success. Once the operational reviews are completed, IDOT will be in a better position to identify better practices at their facilities. Highway maintenance staff are responsible for drain inlet cleaning and structural control maintenance to ensure they work properly.

II. Status of Goals

More than 50% of the goal for completing the operational reviews has been met. 100% of the goal for having covered salt storage and picking up hazardous materials has been met. IDOT is working toward realization of the remaining goals.

III. Appropriateness

The current control measures and the strategy for the operational reviews appear appropriate to assist IDOT in reducing potential storm water pollution.

IV. Effectiveness

Once IDOT has completed the operational reviews IDOT anticipates having procedures in place to better quantify the effectiveness of the bmps used.

V. Proposed Modifications

None at this time.

B. Results of Information Collected and Analyzed.

IDOT staff attended 16 pesticide training sessions with a total of 92 staff trained. 64 environmental operational reviews were conducted. IDOT spent approximately $1.0 million for highway sweeping to prevent pollutants from entering the storm system.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

IDOT anticipates holding good housekeeping training at facilities around the state to educate employees about results of the operational reviews.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
Environmental Operational Reviews	Perform 20 operational reviews.		x	Yes	Yes
Covered salt storage areas	Have all maintenance storage areas covered.		x	Yes	No
IDOT Training	Train all employees that use and handle pesticides annual number.		x	Yes	Yes
Hazardous Materials Contract	Number of times annually materials are picked up from IDOT facilities		x	Yes	Yes
Inlet Filters	Number of inlet filters employed annually at IDOT facilities		x	Yes	Yes
Removal of Debris from Storm Water Conveyance System	The amount dollars spent annually.		x	Yes	Yes

BMP	Proposed Measurable Goal	Modified?		Schedule	
		Yes	No	Completed this year	Ongoing Implementation
IDOT Website	Number of hits to the environmental link		x	No	Yes
IDOT Storm Water Brochure	Number of brochures distributed—10,000.		x	Yes	Yes
IDOT Storm Water and Erosion Control Classes	Number of classes provided and number of students trained.		x	Yes	Yes
IDOT Adopt-A-Highway Program and IDOT Forces Litter Ptogram	Number of bags of litter removed from highways.		x	Yes	Yes

III. Appropriateness

The BMPS selected by IDOT in the second year of the permit are all appropriate for a highway department such as IDOT. IDOT will continue to evaluate bmps to be added to the Public Education and Outreach Program.

IV. Effectiveness

The IDOT Storm Water Committee will be evaluating the effectiveness of the bmps listed but the second year of the permit is too short of a time period to measure the overall effectiveness of the measures selected.

V. Proposed Modifications

None at this time.

B. Results of Information Collected and Analyzed.

IDOT conducted three erosion control training sessions and trained 195 people. Between IDOT forces and the adopt-a-highway groups 35,832 bags of debris were picked up along the highway at a cost of approximately $3.7 Million.

C. Next Reporting Cycle Activities and Implementation Schedule Modifications.

IDOT intends to have the brochures available at highway project public meetings and placed on the IDOT website.